# CTM 382 Ignition Furnace Calibration

Calib. #_____ Charge EA: _____

Date _____ Design % Asphalt _____

Aggregate Source & Location_____

Agg. Size _____ Oven Temp. (circle one) 482° C 538° C

Agg. Type _____ Ignition Time _____

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| SAMPLE #1 | SAMPLE #2 |
|---|---|
| Dry Aggregate _____ | Dry Aggregate _____ |
| % AC _____ | % AC _____ |
| Basket & Pan (Tare) (Me) _____ | Basket & Pan (Tare) (Me) _____ |
| Total Weight (+ Sample) (M1)_____ | Total Weight (+ Sample) (M1)_____ |
| Sample Weight (-Pans) _____ | Sample Weight (-Pans) _____ |
| Weight After Ignition (M2) _____ | Weight After Ignition (M2) _____ |
| Calibration 1 _____ | Calibration 2 _____ |

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Calculations for Calibration Factor

Sample # 1

$$\frac{(M1 - M2)}{(M2 - Me)} \times 100 = \text{Calibration 1} \_\_\_\_\_$$

Sample # 2

$$\frac{(M1 - M2)}{(M2 - Me)} \times 100 = \text{Calibration 2} \_\_\_\_\_$$

$$\frac{(\text{Calibration 1} + \text{Calibration 2})}{2} - \text{Design \% AC} = \text{Calibration Factor} \_\_\_\_\_$$

Calibrated By _____

(Calibration Factor is Subtracted from % AC Test Result)